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OIPE

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/888,035

DATE: 10/12/2001  
 TIME: 12:16:51

Input Set : A:\PTO\_VSK.txt  
 Output Set: N:\CRF3\10122001\I888035.raw

3 <110> APPLICANT: Muramatsu, Takashi  
 4 Kadomatsu, Kenji  
 5 Oda, Munehiro  
 6 Ikematsu, Shinya  
 7 Sakuma, Sadatoshi  
 9 <120> TITLE OF INVENTION: Preventive and Therapeutic Compositions for Drug-Induced  
 Nephropathy and

10 Hepatopathy  
 12 <130> FILE REFERENCE: SPO-105  
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/888,035 ✓  
 C--> 15 <141> CURRENT FILING DATE: 2001-09-24

ENTERED

17 <160> NUMBER OF SEQ ID NOS: 9  
 19 <170> SOFTWARE: PatentIn version 3.0  
 21 <210> SEQ ID NO: 1  
 22 <211> LENGTH: 168  
 23 <212> TYPE: PRT  
 24 <213> ORGANISM: Homo sapiens  
 26 <400> SEQUENCE: 1  
 28 Met Gln Ala Gln Gln Tyr Gln Gln Gln Arg Arg Lys Phe Ala Ala Ala  
 29 1 5 10 15  
 31 Phe Leu Ala Phe Ile Phe Ile Leu Ala Ala Val Asp Thr Ala Glu Ala  
 32 20 25 30  
 34 Gly Lys Lys Glu Lys Pro Glu Lys Val Lys Lys Ser Asp Cys Gly  
 35 35 40 45  
 37 Glu Trp Gln Trp Ser Val Cys Val Pro Thr Ser Gly Asp Cys Gly Leu  
 38 50 55 60  
 40 Gly Thr Arg Glu Gly Thr Arg Thr Gly Ala Glu Cys Lys Gln Thr Met  
 41 65 70 75 80  
 43 Lys Thr Gln Arg Cys Lys Ile Pro Cys Asn Trp Lys Lys Gln Phe Gly  
 44 85 90 95  
 46 Ala Glu Cys Lys Tyr Gln Phe Gln Ala Trp Gly Glu Cys Asp Leu Asn  
 47 100 105 110  
 49 Thr Ala Leu Lys Thr Arg Thr Gly Ser Leu Lys Arg Ala Leu His Asn  
 50 115 120 125  
 52 Ala Glu Cys Gln Lys Thr Val Thr Ile Ser Lys Pro Cys Gly Lys Leu  
 53 130 135 140  
 55 Thr Lys Pro Lys Pro Gln Ala Glu Ser Lys Lys Lys Lys Glu Gly  
 56 145 150 155 160  
 58 Lys Lys Gln Glu Lys Met Leu Asp  
 59 165

61 <210> SEQ ID NO: 2  
 62 <211> LENGTH: 168  
 63 <212> TYPE: PRT  
 64 <213> ORGANISM: Mus sp.  
 66 <400> SEQUENCE: 2  
 68 Met Ser Ser Gln Gln Tyr Gln Gln Gln Arg Arg Lys Phe Ala Ala Ala  
 69 1 5 10 15  
 71 Phe Leu Ala Leu Ile Phe Ile Leu Ala Ala Val Asp Thr Ala Glu Ala

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72          20          25          30
74 Gly Lys Lys Glu Lys Pro Glu Lys Lys Val Lys Lys Ser Asp Cys Gly
75          35          40          45
77 Glu Trp Gln Trp Ser Val Cys Val Pro Thr Ser Gly Asp Cys Gly Leu
78          50          55          60
80 Gly Thr Arg Glu Gly Thr Arg Thr Gly Ala Glu Cys Lys Gln Thr Met
81 65          70          75          80
83 Lys Thr Gln Arg Cys Lys Ile Pro Cys Asn Trp Lys Lys Gln Phe Gly
84          85          90          95
86 Ala Glu Cys Lys Tyr Gln Phe Gln Ala Trp Gly Glu Cys Asp Leu Asn
87          100          105          110
89 Thr Ala Leu Lys Thr Arg Thr Gly Ser Leu Lys Arg Ala Leu His Asn
90          115          120          125
92 Ala Glu Cys Gln Lys Thr Val Thr Ile Ser Lys Pro Cys Gly Lys Leu
93          130          135          140
95 Thr Lys Pro Lys Pro Gln Ala Glu Ser Lys Lys Lys Lys Glu Gly
96 145          150          155          160
98 Lys Lys Gln Glu Lys Met Leu Asp
99          165
101 <210> SEQ ID NO: 3
102 <211> LENGTH: 168
103 <212> TYPE: PRT
104 <213> ORGANISM: Rattus sp.
106 <400> SEQUENCE: 3
108 Met Ser Ser Gln Gln Tyr Gln Gln Gln Arg Arg Lys Phe Ala Ala Ala
109 1          5          10          15
111 Phe Leu Ala Leu Ile Phe Ile Leu Ala Ala Val Asp Thr Ala Glu Ala
112          20          25          30
114 Gly Lys Lys Glu Lys Pro Glu Lys Lys Val Lys Lys Ser Asp Cys Gly
115          35          40          45
117 Glu Trp Gln Trp Ser Val Cys Val Pro Thr Ser Gly Asp Cys Gly Leu
118          50          55          60
120 Gly Thr Arg Glu Gly Thr Arg Thr Gly Ala Glu Cys Lys Gln Thr Met
121 65          70          75          80
123 Lys Thr Gln Arg Cys Lys Ile Pro Cys Asn Trp Lys Lys Gln Phe Gly
124          85          90          95
126 Ala Glu Cys Lys Tyr Gln Phe Gln Ala Trp Gly Glu Cys Asp Leu Asn
127          100          105          110
129 Thr Ala Leu Lys Thr Arg Thr Gly Ser Leu Lys Arg Ala Leu His Asn
130          115          120          125
132 Ala Glu Cys Gln Lys Thr Val Thr Ile Ser Lys Pro Cys Gly Lys Leu
133          130          135          140
135 Thr Lys Pro Lys Pro Gln Ala Glu Ser Lys Lys Lys Lys Glu Gly
136 145          150          155          160
138 Lys Lys Gln Glu Lys Met Leu Asp
139          165
141 <210> SEQ ID NO: 4
142 <211> LENGTH: 168
143 <212> TYPE: PRT

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144 <213> ORGANISM: Bos sp.

146 <400> SEQUENCE: 4

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148 Met Gln Thr Pro Gln Tyr Leu Gln Gln Arg Arg Lys Phe Ala Ala Ala
149 1          5          10          15
151 Phe Leu Ala Phe Ile Phe Ile Leu Ala Ala Val Asp Thr Ala Glu Ala
152          20          25          30
154 Gly Lys Lys Glu Lys Pro Glu Lys Lys Val Lys Lys Ser Asp Cys Gly
155          35          40          45
157 Glu Trp Gln Trp Ser Val Cys Val Pro Thr Ser Gly Asp Cys Gly Leu
158          50          55          60
160 Gly Thr Arg Glu Gly Thr Arg Thr Gly Ala Glu Cys Lys Gln Thr Met
161 65          70          75          80
163 Lys Thr Gln Arg Cys Lys Ile Pro Cys Asn Trp Lys Lys Gln Phe Gly
164          85          90          95
166 Ala Glu Cys Lys Tyr Gln Phe Gln Ala Trp Gly Glu Cys Asp Leu Asn
167          100         105         110
169 Thr Ala Leu Lys Thr Arg Thr Gly Ser Leu Lys Arg Ala Leu His Asn
170          115         120         125
172 Ala Glu Cys Gln Lys Thr Val Thr Ile Ser Lys Pro Cys Gly Lys Leu
173          130         135         140
175 Thr Lys Ser Lys Pro Gln Ala Glu Ser Lys Lys Lys Lys Lys Glu Gly
176 145          150         155         160
178 Lys Lys Gln Glu Lys Met Leu Asp
179          165

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181 <210> SEQ ID NO: 5

182 <211> LENGTH: 135

183 <212> TYPE: PRT

184 <213> ORGANISM: Gallus sp.

186 <400> SEQUENCE: 5

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188 Gly Lys Lys Glu Lys Pro Glu Lys Lys Ala Lys Lys Ser Asp Cys Gly
189 1          5          10          15
191 Glu Trp Gln Trp Ser Val Cys Val Pro Thr Asn Gly Asp Cys Gly Leu
192          20          25          30
194 Gly Thr Arg Glu Gly Thr Arg Thr Gly Ala Glu Cys Lys Gln Thr Thr
195          35          40          45
197 Lys Thr Gln Lys Cys Lys Ile Pro Cys Asn Trp Lys Lys Gln Phe Gly
198          50          55          60
200 Ala Glu Cys Lys Tyr Gln Phe Gln Ala Trp Gly Glu Cys Asp Leu Asn
201 65          70          75          80
203 Thr Ala Leu Lys Thr Arg Thr Gly Asn Leu Lys Arg Ala Leu His Asn
204          85          90          95
206 Ala Glu Cys Gln Lys Thr Val Thr Ile Ser Lys Pro Cys Gly Lys Leu
207          100         105         110
209 Thr Lys Pro Lys Pro Gln Glx Glu Lys Lys Lys Lys Lys Glu Gly Lys
210          115         120         125
212 Lys Gln Glu Lys Met Leu Asx
213          130         135
215 <210> SEQ ID NO: 6
216 <211> LENGTH: 143

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217 <212> TYPE: PRT
218 <213> ORGANISM: Homo sapiens
220 <400> SEQUENCE: 6
222 Met Gln His Arg Gly Phe Leu Leu Leu Thr Leu Leu Ala Leu Leu Ala
223 1 5 10 15
225 Leu Thr Ser Ala Val Ala Lys Lys Lys Asp Lys Val Lys Lys Gly Gly
226 20 25 30
228 Pro Gly Ser Glu Cys Ala Glu Trp Ala Trp Gly Pro Cys Thr Pro Ser
229 35 40 45
231 Ser Lys Asp Cys Gly Val Gly Phe Arg Glu Gly Thr Cys Gly Ala Gln
232 50 55 60
234 Thr Gln Arg Ile Arg Cys Arg Val Pro Cys Asn Trp Lys Lys Glu Phe
235 65 70 75 80
237 Gly Ala Asp Cys Lys Tyr Lys Phe Glu Asn Trp Gly Ala Cys Asp Gly
238 85 90 95
240 Gly Thr Gly Thr Lys Val Arg Gln Gly Thr Leu Lys Lys Ala Arg Tyr
241 100 105 110
243 Asn Ala Gln Cys Gln Glu Thr Ile Arg Val Thr Lys Pro Cys Thr Pro
244 115 120 125
246 Lys Thr Lys Ala Lys Ala Lys Ala Lys Lys Gly Lys Gly Lys Asp
247 130 135 140
249 <210> SEQ ID NO: 7
250 <211> LENGTH: 140
251 <212> TYPE: PRT
252 <213> ORGANISM: Mus sp.
254 <400> SEQUENCE: 7
256 Met Gln His Arg Gly Phe Phe Leu Leu Ala Leu Leu Ala Leu Leu Val
257 1 5 10 15
259 Val Thr Ser Ala Val Ala Lys Lys Lys Glu Lys Val Lys Lys Gly Ser
260 20 25 30
262 Glu Cys Ser Glu Trp Thr Trp Gly Pro Cys Thr Pro Ser Ser Lys Asp
263 35 40 45
265 Cys Gly Met Gly Phe Arg Glu Gly Thr Cys Gly Ala Gln Thr Gln Arg
266 50 55 60
268 Val His Cys Lys Val Pro Cys Asn Trp Lys Lys Glu Phe Gly Ala Asp
269 65 70 75 80
271 Cys Lys Tyr Lys Phe Glu Ser Trp Gly Ala Cys Asp Gly Ser Thr Gly
272 85 90 95
274 Thr Lys Ala Arg Gln Gly Thr Leu Lys Lys Ala Arg Tyr Asn Ala Gln
275 100 105 110
277 Cys Gln Glu Thr Ile Arg Val Thr Lys Pro Cys Thr Ser Lys Thr Lys
278 115 120 125
280 Ser Lys Thr Lys Ala Lys Lys Gly Lys Gly Lys Asp
281 130 135 140
283 <210> SEQ ID NO: 8
284 <211> LENGTH: 142
285 <212> TYPE: PRT
286 <213> ORGANISM: Gallus sp.
288 <400> SEQUENCE: 8

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290 Met Gln Pro Arg Gly Leu Leu Leu Leu Leu Ala Leu Leu Leu Ala
291 1          5          10          15
293 Ala Ala Ala Glu Ala Ala Lys Ala Lys Lys Glu Lys Met Lys Lys Glu
294          20          25          30
296 Gly Ser Glu Cys Gln Asp Trp His Trp Gly Pro Cys Ile Pro Asn Ser
297          35          40          45
299 Lys Asp Cys Gly Leu Gly Tyr Arg Glu Gly Ser Cys Gly Asp Glu Ser
300          50          55          60
302 Arg Lys Leu Lys Cys Lys Ile Pro Cys Asn Trp Lys Lys Lys Phe Gly
303 65          70          75          80
305 Ala Asp Cys Lys Tyr Lys Phe Glu Ser Trp Gly Gly Cys Ser Ala Lys
306          85          90          95
308 Thr Gly Val Lys Thr Arg Ser Gly Ile Leu Lys Lys Ala Leu Tyr Asn
309          100          105          110
311 Ala Glu Cys Glu Glu Val Val Tyr Val Ser Lys Pro Cys Thr Ala Lys
312          115          120          125
314 Met Lys Ala Lys Ala Lys Ala Lys Lys Gly Lys Gly Lys Asp
315          130          135          140
317 <210> SEQ ID NO: 9
318 <211> LENGTH: 142
319 <212> TYPE: PRT
320 <213> ORGANISM: Xenopus laevis
322 <400> SEQUENCE: 9
324 Met Glu Leu Arg Ala Phe Cys Val Ile Leu Leu Ile Thr Val Leu Ala
325 1          5          10          15
327 Val Ser Ser Gln Ala Ala Lys Asn Lys Lys Glu Lys Gly Lys Lys Gly
328          20          25          30
330 Ala Ser Asp Cys Thr Glu Trp Thr Trp Gly Ser Cys Ile Phe Asn Ser
331          35          40          45
333 Lys Asp Cys Gly Ala Gly Thr Arg Glu Gly Thr Cys Lys Glu Glu Thr
334          50          55          60
336 Arg Lys Leu Lys Cys Lys Ile Leu Cys Asn Thr Lys Lys Ala Phe Gly
337 65          70          75          80
339 Ala Asp Cys Lys Tyr Lys Phe Glu Asn Thr Gly Glu Cys Asn Ala Thr
340          85          90          95
342 Thr Gly Asn Lys Val Arg Ser Gly Thr Leu Lys Lys Ala Leu Tyr Asn
343          100          105          110
345 Ala Asp Cys Gln Gln Thr Val Glu Ala Thr Lys Pro Cys
346          115          120          125
348 Thr Lys Ser Lys Ser Lys Gly Lys Lys Gly Lys Gly Lys Glu
349          130          135          140

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VERIFICATION SUMMARY

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Input Set : A:\PTO\_VSK.txt

Output Set: N:\CRF3\10122001\I888035.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date